

L Number	Hits	Search Text	DB	Time stamp
1	10	((("4824689") or ("4764418") or ("4690821") or ("5240562") or ("5885697")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/30 16:31
2	16	wo-9829605-\$.did. wo-9625557-\$.did. wo-9624723-\$.did. ep-029977-\$.did. de-1990608-\$.did. ep-803012-\$.did. wo-9608601-\$.did. wo-9913861-\$.did. wo-9912519-\$.did. wo-9405856-\$.did. wo-9730127-\$.did. wo-9535412-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/30 16:35
-	2384	tissue and (lotion oil) and (humectant polyhydroxy adj alcohol) and (emulsifi4 polyol \$4saccharide glycerol polyglycerol)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:46
-	2201	("water in oil" or W/O) adj emulsion	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:37
-	180	(tissue and (lotion oil) and (humectant polyhydroxy adj alcohol) and (emulsifi4 polyol \$4saccharide glycerol polyglycerol)) and (("water in oil" or W/O) adj emulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:41
-	98422	162/\$7.ccls. 424/\$7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:38
-	32	((tissue and (lotion oil) and (humectant polyhydroxy adj alcohol) and (emulsifi4 polyol \$4saccharide glycerol polyglycerol)) and (("water in oil" or W/O) adj emulsion)) and (162/\$7.ccls. 424/\$7.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:38
-	0	((tissue and (lotion oil) and (humectant polyhydroxy adj alcohol) and (emulsifi4 polyol \$4saccharide glycerol polyglycerol)) and (("water in oil" or W/O) adj emulsion)) and 162/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:42
-	8	(tissue and (lotion oil) and (humectant polyhydroxy adj alcohol) and (emulsifi4 polyol \$4saccharide glycerol polyglycerol)) and 162/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:42
-	110	tissue and (lotion oil) and (humectant polyhydroxy adj alcohol glycol) and (emulsifi4 polyol \$4saccharide glycerol polyglycerol) and 162/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/29 19:47

DERWENT-ACC-NO: 1996-179965  
DERWENT-WEEK: 200249  
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TITLE: Polysiloxane-contg. treatment material for tissue  
paper softener -  
contg. liq. polyethylene glycol! and/or glycerol!, polysiloxane  
and water, for  
cosmetic tissues and make=up remover for improved  
softness

INVENTOR: ELSTNER, H; HILL, W ; VON PALESKE, P

PATENT-ASSIGNEE: PWA HYGIENEPAPIERE  
GMBH[PWAHN], SCA HYGIENE PAPER  
GMBH[SCAD], SCA HYGIENE PROD GMBH[SCAD]

PRIORITY-DATA: 1994DE-4433022 (September 16, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	
PAGES	MAIN-IPC		
HU 220737 B1	May 28, 2002	N/A	000
D21H 019/32			
WO 9608601 A1	March 21, 1996	G	046
D21H 019/32			
AU 9535662 A	March 29, 1996	N/A	000
D21H 019/32			
FI 9701103 A	March 14, 1997	N/A	000
D21H 000/00			

NO 9701198 A	May 7, 1997	N/A	000
D21H 019/32			
CZ 9700778 A3	July 16, 1997	N/A	000
D21H 019/32			
EP 803012 A1	October 29, 1997	G	000
D21H 019/32			
SK 9700324 A3	October 7, 1997	N/A	000
D21H 019/32			
HU 77476 T	May 28, 1998	N/A	000
D21H 019/32			
EP 803012 B1	June 30, 1999	G	000
D21H 019/32			
DE 59506319 G	August 5, 1999	N/A	000
D21H 019/32			
ES 2136307 T3	November 16, 1999	N/A	
000 D21H 019/32			

DESIGNATED-STATES: AM AU BG BR BY CA CN CZ FI  
 GE HU JP KG KP KR KZ LK LT LV MD M  
 N NO NZ PL RO RU SG SI SK TJ UA US UZ VN AT BE CH  
 DE DK ES FR GB GR IE IT LU MC  
 NL PT SE AT BE CH DE DK ES FR GB GR IE IT LI NL SE  
 AT BE CH DE DK ES FR GB GR IE  
 IT LI NL SE

CITED-DOCUMENTS: EP 347153; US 4950545 ; US  
 5246545 ; US 5312522

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
HU 220737B1	N/A	1995WO-EP03588

September 12, 1995		
HU 220737B1	N/A	1998HU-0000098
September 12, 1995		
HU 220737B1	Previous Publ.	HU 77476
N/A		
HU 220737B1	Based on	WO 9608601
N/A		
WO 9608601A1	N/A	1995WO-EP03588
September 12, 1995		
AU 9535662A	N/A	1995AU-0035662
September 12, 1995		
AU 9535662A	Based on	WO 9608601
N/A		
FI 9701103A	N/A	1995WO-EP03588
September 12, 1995		
FI 9701103A	N/A	1997FI-0001103
March 14, 1997		
NO 9701198A	N/A	1995WO-EP03588
September 12, 1995		
NO 9701198A	N/A	1997NO-0001198
March 14, 1997		
CZ 9700778A3	N/A	1995WO-EP03588
September 12, 1995		
CZ 9700778A3	N/A	1997CZ-0000778
September 12, 1995		
CZ 9700778A3	Based on	WO 9608601
N/A		
EP 803012A1	N/A	1995EP-0932724
September 12, 1995		
EP 803012A1	N/A	1995WO-EP03588
September 12, 1995		
EP 803012A1	Based on	WO 9608601
N/A		

SK 9700324A3	N/A	1995WO-EP03588
September 12, 1995		
SK 9700324A3	N/A	1997SK-0000324
September 12, 1995		
HU 77476T	N/A	1995WO-EP03588
September 12, 1995		
HU 77476T	N/A	1998HU-0000098
September 12, 1995		
HU 77476T	Based on	WO 9608601
N/A		
EP 803012B1	N/A	1995EP-0932724
September 12, 1995		
EP 803012B1	N/A	1995WO-EP03588
September 12, 1995		
EP 803012B1	Based on	WO 9608601
N/A		
DE 59506319G	N/A	1995DE-0506319
September 12, 1995		
DE 59506319G	N/A	1995EP-0932724
September 12, 1995		
DE 59506319G	N/A	1995WO-EP03588
September 12, 1995		
DE 59506319G	Based on	EP 803012
N/A		
DE 59506319G	Based on	WO 9608601
N/A		
ES 2136307T3	N/A	1995EP-0932724
September 12, 1995		
ES 2136307T3	Based on	EP 803012
N/A		

INT-CL (IPC): D21H000/00; D21H017/59 ; D21H019/32 ;  
D21H021/22 ;

D21H023/28

ABSTRACTED-PUB-NO: EP 803012B

BASIC-ABSTRACT: A polysiloxane-contg. treatment material (I) for tissue paper prods., esp. in the form of a lotion, contains:

(A) 25-95 pts.wt. polyhydroxy cpd(s)., pref. polyethylene glycol(s) (PEG) which is/are liq. at room temp. and/or glycerol;

(B) 5-75 pts. wt. polysiloxane; and (w.r.t. 100 pts.wt. A+B)

102/103  
1-2, 4, 5, 7, 11

(C) 0-35 pts.wt. water.

A1L  
3, 18, 9

Also claimed is a process for the prodn. of tissue paper prods. in which the treatment material (I) is applied to the paper web in the screen/press section and/or the drying section of the paper machine, or after the drying section.

USE - Used for the treatment of tissue paper prods., esp. pocket tissues, cosmetic tissues, make-up removers, serviettes, toilet paper and kitchen tissue (claimed).

ADVANTAGE - The synergistic action of (A) and (B) produces a much softer tissue paper than polysiloxane or PEG and/or glycerol alone.

ABSTRACTED-PUB-NO: WO 9608601A

**EQUIVALENT-ABSTRACTS:** A polysiloxane-contg. treatment material (I) for tissue paper prods., esp. in the form of a lotion, contains:

(A) 25-95 pts.wt. polyhydroxy cpd(s)., pref. polyethylene glycol(s) (PEG) which is/are liq. at room temp. and/or glycerol;

(B) 5-75 pts. wt. polysiloxane; and (w.r.t. 100 pts.wt. A+B)

(C) 0-35 pts.wt. water.

Also claimed is a process for the prodn. of tissue paper prods. in which the treatment material (I) is applied to the paper web in the screen/press section and/or the drying section of the paper machine, or after the drying section.

**USE** - Used for the treatment of tissue paper prods., esp. pocket tissues, cosmetic tissues, make-up removers, serviettes, toilet paper and kitchen tissue (claimed).

**ADVANTAGE** - The synergistic action of (A) and (B) produces a much softer tissue paper than polysiloxane or PEG and/or glycerol alone.

**CHOSEN-DRAWING:** Dwg.0/0

**TITLE-TERMS:**  
**POLYSILOXANE CONTAIN TREAT MATERIAL TISSUE**

PAPER SOFTEN CONTAIN LIQUID  
POLYETHYLENE POLYGLYCOL POLYGLYCEROL  
POLYSILOXANE WATER COSMETIC TISSUE MAKE=UP  
REMOVE IMPROVE SOFT

DERWENT-CLASS: A25 A26 A97 D21 E17 F09

CPI-CODES: A06-A00E; A06-A00E1; A12-B03; A12-W06C;  
D08-B01; E10-E04H; E10-E04J;  
F05-A03; F05-A04C; F05-A06B;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

H402 H482 H581 L630 M280 M311 M312 M313 M314  
M315

M316 M321 M322 M331 M332 M333 M340 M342 M343  
M383

M391 M392 M416 M620 M781 M903 M904 Q254 Q324

Markush Compounds

199618-D0301-U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73  
D82 F47 ; H0000 ;

P0055 ; P8004 P0975 P0964 D01 D10 D11 D50 D82 F34  
; S9999 S1376

Polymer Index [1.2]

018 ; D01 D11 D10 D50 D61\*R D82 F16 F35\*R ;  
P1445\*R F81 Si 4A ;

S9999 S1376

Polymer Index [1.3]



018 ; P1456 P1445 F81 F86 D01 D11 D50 D82 Si 4A ;  
S9999 S1376

Polymer Index [1.4]

018 ; H0260 ; P0964\*R F34 D01 ; P1445\*R F81 Si 4A ;  
S9999 S1376

Polymer Index [1.5]

018 ; ND01 ; K9563 K9483 ; K9712 K9676 ; Q9999  
Q7114\*R ; N9999 N7147

N7034 N7023 ; N9999 N6939\*R ; J9999 J2904 ; J9999  
J2960 J2915 ;

Q9999 Q9165\*R ; Q9999 Q9176 Q9165 ; K9745\*R ;  
Q9999 Q7034\*R ; Q9999

Q7749 Q7681 ; B9999 B5389 B5276 ; N9999 N6780\*R  
N6655 ; B9999 B3587

B3554

Polymer Index [2.1]

018 ; H0124\*R

Polymer Index [2.2]

018 ; ND01 ; J9999 J2904 ; Q9999 Q8991

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-056849

DERWENT-ACC-NO: 2000-161142  
DERWENT-WEEK: 200128  
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TITLE: PIT emulsions containing fatty acid alkyl esters,  
fatty alcohols, fatty  
alcohol polyglycol ethers and fatty acid partial glyceride  
compounds are used  
as impregnating and softening agents for paper and tissues

INVENTOR: ANSMANN, A; BAUMOELLER, G ;  
GRIESBACH, U ; HOERNER, V ; LEONARD, M  
; ROBBE-TOMINE, L ; TESMANN, H ; WADLE, A ;  
WATCHER, R

PATENT-ASSIGNEE: COGNIS DEUT GMBH[COGNN]

PRIORITY-DATA: 1998GB-0027616 (December 15, 1998) ,  
1998GB-0015514 (July 16,  
1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
EP 1097270 A1	May 9, 2001	G 000
D21H 017/72		
WO 200004230	January 27, 2000	G 041
D21H 017/72		
A1	February 7, 2000	N/A 000
D21H 017/72		

AU 9949086 A

DESIGNATED-STATES: AT BE CH CY DE DK ES FI FR  
GB GR IE IT LI LU MC NL PT SE AU B  
G BR BY CA CN CZ HU ID IS JP KR LT LV MX NO NZ PL  
RO RU SI SK TR UA US AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
EP 1097270A1	N/A	1999EP-0932849
July 7, 1999		
EP 1097270A1	N/A	1999WO-EP04780
July 7, 1999		
EP 1097270A1	Based on	WO 200004230
N/A		
WO	N/A	1999WO-EP04780
July 7, 1999		
200004230A1	N/A	1999AU-0049086
July 7, 1999		
AU 9949086A	Based on	WO 200004230
N/A		
AU 9949086A		

INT-CL (IPC): A61K007/00; D06M013/144 ; D06M013/17 ;  
D06M013/224 ;  
D21H017/06 ; D21H017/14 ; D21H017/24 ; D21H017/53 ;  
D21H017/72 ;  
D21H017:06 ; D21H017:14 ; D21H017:24 ; D21H017:53 ;  
D21H017/14 ;  
D21H017:06 ; D21H017:24 ; D21H017:53

ABSTRACTED-PUB-NO: WO 200004230A

BASIC-ABSTRACT: NOVELTY - PIT emulsions containing:

- (a) 8-22C fatty acid alkyl esters;
- (b) 8-22C fatty alcohols;
- (c) 8-22C alcohol polyglycol ethers and
- (d) 8-22C fatty acid partial glycerides are used as impregnating and softening agents for paper, non-woven fabrics and tissues.

USE - As impregnating and softening agents for paper. Used especially for tissue paper and hygiene paper which comes into contact with the skin, e.g. toilet paper, paper wipes, kitchen paper, make-up removers and fresheners.

ADVANTAGE - Tissue paper impregnated with these preparations has a particularly soft feel and excellent skin-care properties (which are retained for long periods of storage), even when made from pulp with a high content of waste paper. These preparations are based only on readily biodegradable materials, in the form of a homogeneous dispersion with a low viscosity (for ease of application) even at high concentration. The paper can also be made

flame-resistant and antimicrobial.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

PIT EMULSION CONTAIN FATTY ACID ALKYL FATTY  
FATTY ALCOHOL POLYGLYCOL FATTY ACID  
GLYCERIDE COMPOUND IMPREGNATE SOFTEN  
AGENT PAPER TISSUE

DERWENT-CLASS: A87 A97 E17 F06 F09

CPI-CODES: A10-E08A; A10-E09; A12-B03A; E10-E04G;  
E10-E04L; E10-E04M;  
E10-G02H2; E10-H01D; E10-H01E; F05-A06B;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

H4 H402 H482 H5 H581 H8 M225 M231 M272 M281  
M313 M321 M332 M343 M383 M391 M416 M620 M782  
M904

M905 Q140 Q324 Q609 R022

Specific Compounds

A16FAK A16FAM

Chemical Indexing M3 \*02\*

Fragmentation Code

H4 H402 H482 H5 H581 H8 M225 M231 M272 M281  
M313 M321 M332 M343 M383 M391 M416 M620 M782  
M904

M905 Q140 Q324 Q609 R022

Specific Compounds

## A1CFGK A1CFGM

### Chemical Indexing M3 \*03\*

#### Fragmentation Code

J0 J011 J2 J271 M225 M231 M262 M272 M281 M320  
M416 M620 M782 M904 M905 Q140 Q324 Q609 R022

#### Specific Compounds

A1CJWK A1CJWM

### Chemical Indexing M3 \*04\*

#### Fragmentation Code

J0 J011 J2 J271 M225 M231 M262 M272 M281 M320  
M416 M620 M782 M904 M905 Q140 Q324 Q609 R022

#### Specific Compounds

A0EW7K A0EW7M

### Chemical Indexing M3 \*05\*

#### Fragmentation Code

J0 J011 J2 J271 M220 M222 M225 M232 M262 M272  
M281 M320 M416 M620 M782 M904 M905 Q140 Q324  
Q609

R022

#### Specific Compounds

A1CK0K A1CK0M

### Chemical Indexing M3 \*06\*

#### Fragmentation Code

H713 H716 H721 H722 J0 J011 J2 J271 M210 M216  
M220 M221 M222 M223 M224 M225 M226 M231 M232  
M233

M262 M272 M281 M320 M416 M620 M782 M904 M905  
Q140

Q324 Q609 R022

Markush Compounds  
200012-90801-K 200012-90801-M

Chemical Indexing M3 \*07\*

Fragmentation Code

H4 H401 H481 H5 H581 H582 H583 H584 H589 H721

H8 M220 M222 M223 M224 M225 M226 M231 M232

M233

M272 M281 M312 M313 M321 M322 M323 M331 M332

M342

M383 M391 M392 M393 M416 M620 M782 M904 M905

Q140

Q324 Q609 R022

Markush Compounds

200012-90803-K 200012-90803-M

Chemical Indexing M3 \*08\*

Fragmentation Code

H4 H402 H482 H721 H8 J0 J011 J2 J271 M220

M221 M222 M223 M224 M225 M226 M231 M232 M233

M262

M281 M313 M321 M332 M343 M383 M391 M416 M620

M782

M904 M905 Q140 Q324 Q609 R022

Markush Compounds

200012-90804-K 200012-90804-M

Chemical Indexing M3 \*09\*

Fragmentation Code

H4 H401 H481 H721 H8 M220 M221 M222 M223

M224

M225 M226 M231 M232 M233 M272 M281 M320 M416

M620

M782 M904 M905 Q140 Q324 Q609 R022  
Markush Compounds  
200012-90802-K 200012-90802-M

#### ENHANCED-POLYMER-INDEXING:

##### Polymer Index [1.1]

018 ; R03882 D01 D11 D10 D23 D22 D31 D42 D50 D76  
D86 F08 F07 F24  
F28 F26 F34 H0293 P0599 G3623 M2313 ; S9999 S1025  
S1014 ; M9999  
M2391 ; K9632 K9621 ; K9643 K9621 ; K9325

##### Polymer Index [1.2]

018 ; ND01 ; ND04 ; K9563 K9483 ; K9676\*R ; K9687  
K9676 ; K9712  
K9676 ; N9999 N7147 N7034 N7023 ; Q9999 Q7114\*R ;  
Q9999 Q7034\*R  
; B9999 B3827 B3747 ; B9999 B3407 B3383 B3372 ;  
B9999 B5094 B4977  
B4740 ; B9999 B3021 B3010 ; B9999 B4239 ; B9999  
B4513 B4466

##### Polymer Index [2.1]

018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73  
D82 F47 ; H0000 ;  
H0237\*R ; P0055 ; M9999 M2153\*R ; M9999 M2200 ;  
P8004 P0975 P0964  
D01 D10 D11 D50 D82 F34

##### Polymer Index [2.2]

018 ; R00370 G1558 D01 D11 D10 D23 D22 D31 D42  
D50 D73 D83 F47 ;  
H0000 ; H0237\*R ; P0055 ; M9999 M2153\*R ; M9999  
M2200 ; P8015 P0975  
P0964 D01 D10 D11 D50 D83 F34

##### Polymer Index [2.3]



018 ; ND01 ; ND04 ; K9563 K9483 ; K9676\*R ; K9687  
K9676 ; K9712  
K9676 ; N9999 N7147 N7034 N7023 ; Q9999 Q7114\*R ;  
Q9999 Q7034\*R  
; B9999 B3827 B3747 ; B9999 B3407 B3383 B3372 ;  
B9999 B5094 B4977  
B4740 ; B9999 B3021 B3010 ; B9999 B4239 ; B9999  
B4513 B4466  
Polymer Index [2.4]  
018 ; Q9999 Q9110

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-050472